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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,190	03/21/2007	Mitsuhiro Ayaki	SHIGA3.010APC	1681
20995	7590	07/08/2009	EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614				O HERN, BRENT T
ART UNIT		PAPER NUMBER		
				1794
NOTIFICATION DATE			DELIVERY MODE	
07/08/2009			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jcartee@kmob.com
eOAPilot@kmob.com

Office Action Summary	Application No.	Applicant(s)	
	10/582,190	AYAKI ET AL.	
	Examiner	Art Unit	
	Brent T. O'Hern	1794	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 10 April 2009.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,4 and 6-10 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1,4 and 6-10 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

Claims

1. Claims 1, 4 and 6-10 are pending.

WITHDRAWN REJECTIONS

2. All rejections of record in the Office Action mailed 11/12/2008 have been withdrawn due to Applicant's amendments in the Paper filed 4/10/2009.

NEW REJECTIONS

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office Action.

Claim Rejections - 35 USC § 112

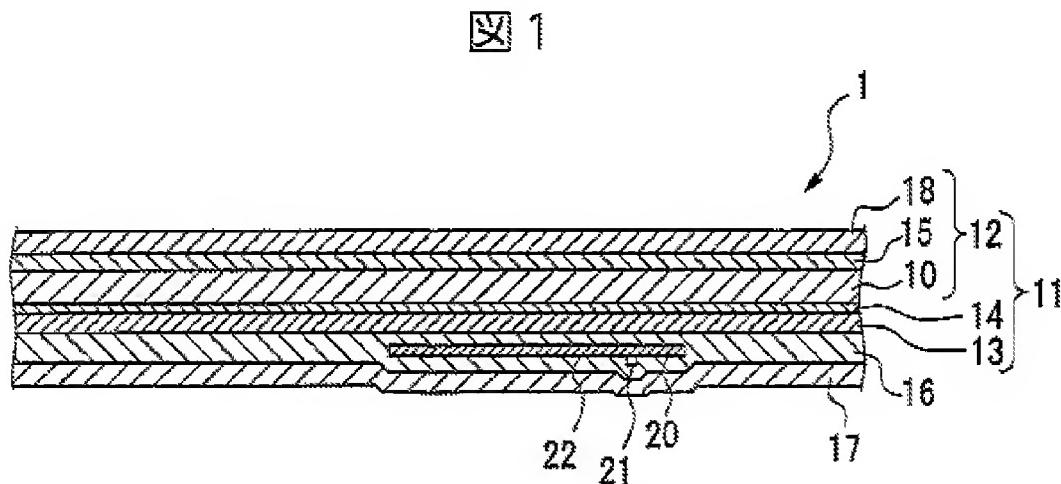
3. Claims 1, 4 and 6-10 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
4. The phrase “all of the AC chip is inserted in the penetrating openings” in claim 1, line 5 is vague and indefinite since it is unclear whether each chip is inserted in just one opening or more than one opening. FIG-3 illustrates a plurality of chips with each chip inserted in a single opening.

Clarification and/or correction required.

Claim Rejections - 35 USC § 103

5. Claims 1, 4 and 6-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fujiki et al. (WO 03/027950) with evidence by Fujiki et al. (US 2004/0262404) which is interpreted as the English language equivalent of Fujiki et al. (WO 03/027950).

Fujiki ('950) teaches a multilayer tape/sheet with a built-in IC chip used for a sheet comprising a tape body comprising a first base material and second base material (See FIGs 1-4 and paras. 24-26, 56-58 and 97 where embedded element #20 can be an IC module #30 with IC chip #27 embedded within the multilayer tape/film #1 which is formable into a baggage tag #10 containing paper #12, resin adhesive #16, plastic resin film #13 and plastic resin protection sheet #17 and the laminate/tape being exposed at the outer surfaces/sides.).



wherein the second base material has a penetrating opening with all of the IC chip being embedded in the tape body in a non-exposed state (See FIGs 1, 3 and paras. 24-26, non-exposed element #20 that can be an IC module #30 with IC chip #27.), with the IC chip being fixed to the tape body by a resin (See FIGs 1, 3 and paras. 24-26, resin adhesive #16.), which is inserted into the sheet-like material wherein a groove is formed on the sheet-like material, and the tape is attached to the groove (See FIG 1 and paras. 24-26, where the embedded chip forms a groove within the polymeric material. The number and shapes of the grooves depending on the surface configuration of the chip.).

However, fails to expressly disclose the base material having a plurality of openings.

The configuration of the chip creates the opening which become closed when the chip embeds. Additionally, it would have been obvious to provide two or more smaller openings or one larger opening to embed the IC chip based on the configuration of the chip with the end product either being the same or substantially the same with an IC chip being embedded in the base material.

ANSWERS TO APPLICANT'S ARGUMENTS

6. In response to Applicant's arguments (*pp. 4-5 of Applicant's Paper filed 4/10/2009*) regarding the new penetrating openings limitations, it is noted that said new limitations are discussed above.
7. In response to Applicant's arguments (*p. 5, para. 1 of Applicant's Paper filed 4/10/2009*) that Fujiki ('950) teaches away from the amended claims having the newly presented penetrating openings limitations because the amended claims now require the IC chip to be inserted into the penetrating openings in a non-exposed state and Fujiki ('950) does not teach penetrating openings but rather adhesive surrounding a chip, it is noted as discussed above that the configuration of the chip creates the opening which become closed when the chip embeds. Thus, the opening is closed which is also the case for Applicant's product once the chip becomes embedded. Additionally, it would have been obvious to provide two or more smaller openings or one larger opening to embed the IC chip based on the configuration of the chip with the end

product either being the same or substantially the same with an IC chip being embedded in the base material.

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brent T. O'Hern whose telephone number is (571)272-0496. The examiner can normally be reached on Monday-Thursday, 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Sample can be reached on (571) 272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BTO/
Brent T. O'Hern
Examiner
Art Unit 1794
June 24, 2009

/Elizabeth M. Cole/
Primary Examiner, Art Unit 1794